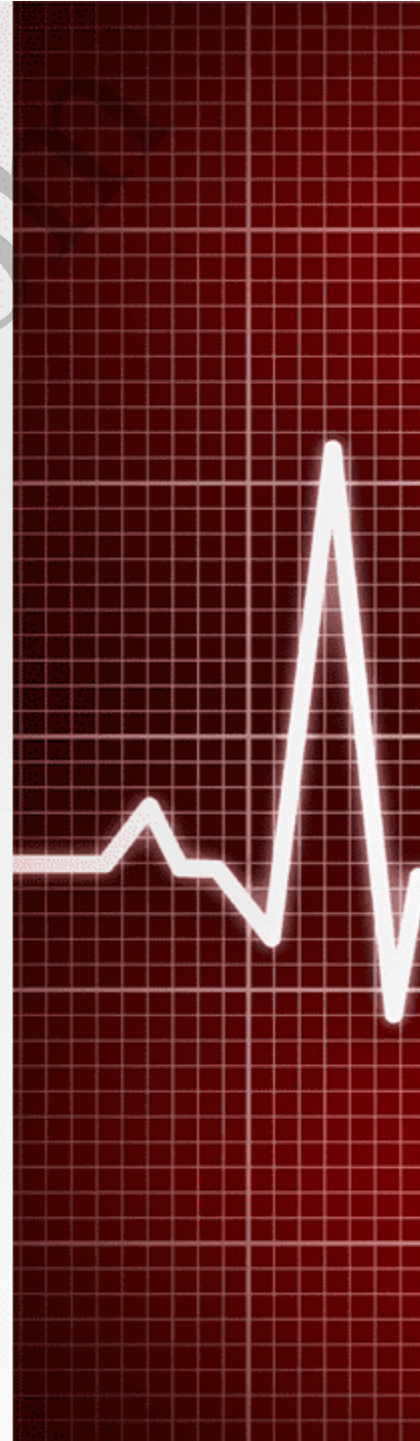




The presentation should be not less than 4 slides with general information on Lupus. There should be a definition of the term and some other information on the topic. There is no need to use scientific terminology.

# Lupus

**ISSUES IN BIOLOGY**



# Basic Biological Character

- Systemic lupus erythematosus (SLE) presents a “chronic inflammatory disorder” (Gono, Kawaguchi & Yamauchi, 2013, p. 1)
- Autoantibodies’ presence against DNA double-stranded (Gono et al., 2013, p. 1)
- Central Nervous System (CNS) and Peripheral Nervous System (PNS) neurologic syndromes (Gono et al., 2013, p. 1)
- Lupus is an immune system disorder (“What is lupus,” 2016)
- Specified pathophysiology may include “vasculopathy, thromboembolism, and inflammation and apoptosis of neuronal and glial cells” (Gono et al., 2013, p. 1)

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# Physiological Damage

- Immune system can “turn against body parts,” of which it was designed to protect (“What is lupus,” 2016)
- Due to receptor damage, Lupus dysfunction may cause stroke, brain disorder, stroke, epilepsy, and/or chronic neurodegeneration (Gono et al., 2013, p. 1)
- Central Nervous System (CNS) and Peripheral Nerve neurologic syndromes (Gono et al., 2013, p. 1)
- Antibodies can breach blood-brain barrier (Gono et al., 2013, p. 2)

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# Body Parts Affected

- ✓ Joints
- ✓ Skin
- ✓ Kidneys
- ✓ Heart & Lungs
- ✓ Blood Vessels
- ✓ Brain

("What is lupus?" 2016)

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# Lupus: Findings, Outcomes & T

- Prevalence ranges of cases in general population ranges from “20 to 150 cases per 100,000” (Gono et al., 2013, p. 1)
- Major causes of morbidity associated with Lupus may include renal involvement (Schwartz, Goilav & Putterman, 2014)
- Epigenetic, immune cells, and cytokines factors disease (Schwartz et al., 2014)
- Presently, there is no cure; Periods of illness “fl  
Lupus, more so affects non-White women; Trea  
2016)

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## References

Gono, T., Kawaguchi, Y., & Yamanaka, H. (2013). Discoveries in lupus erythematosus: consequences for therapy. *BMC* 11-91

Lupus Research Alliance. (2016). *What is lupus?* [Data file]. Retrieved from <http://www.lupusresearch.org/lupus/what-is.html?referrer=>

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